

IN THE CLAIMS:

A. Please cancel claims 6-17 without prejudice or disclaimer, amend claims 2-5 and add new claims 18-32 as follows:

1. (Original) A backplate of a Plasma Display Panel (PDP), comprising: a lubricant thin film layer formed on a front surface of the backplate having barrier ribs; and

a phosphor material layer formed on the lubricant thin film layer.

2. (Currently Amended) The substrate backplate of claim 1, wherein a material of said lubricant thin film is selected at least one from the group consisting of: ~~comprising~~ DLN (diamond-like Nanofilm composites composite), DLC (diamond-like Carbons Carbon), MoS₂, and ~~Teflon~~ polytetrafluoroethylene.

3. (Currently Amended) The substrate backplate of claim 1, wherein said DLN diamond-like Nanofilm composites comprise includes one or more of W, Hf, Zr, Al, and or Nb.

4. (Currently Amended) The substrate backplate of claim 1, wherein a material of the lubricant thin film has a friction coefficient of below 0.06.

5. (Currently Amended) The substrate backplate of claim 1, wherein a material of a lubricant material has a refractive index above 2.0.

6-17. (Cancelled)

18. (New) The backplate of claim 1, wherein the lubricant thin film layer is formed on the backplate having barrier ribs to uniformly coat a phosphor material on the backplate irrespective of the shape and height of the barrier ribs.

19. (New) The backplate of claim 1, wherein a material of said lubricant thin film is selected at least one from the group consisting of: diamond-like Nanofilm composites (DLNs), diamond-like Carbons (DLCs) and MoS₂.

20. (New) A backplate of a Plasma Display Panel (PDP), comprising:
a lubricant thin film layer formed on the backplate having barrier ribs to uniformly coat a phosphor material on the backplate irrespective of the shape and height of the barrier ribs; and
a phosphor material layer formed on the lubricant thin film layer.

21. (New) The backplate of claim 20, wherein a material of said lubricant thin film is selected at least one from the group consisting of: diamond-like Nanofilm composites (DLN), diamond-like Carbons (DLC) and MoS_2 .

22. (New) A Plasma Display Panel (PDP), comprising:

a front plate;

a back plate spaced across from the front plate;

barrier ribs formed on the back plate facing the front plate;

a lubricant thin film layer formed on a surface of both the back plate and the barrier ribs; and

a phosphor material layer formed on the barrier ribs.

23. (New) The PDP of claim 22, wherein a material of said lubricant thin film is selected at least one from the group consisting of: diamond-like Nanofilm composites (DLNs), diamond-like Carbons (DLCs), MoS_2 and polytetrafluoroethylene.

24. (New) The PDP of claim 23, wherein the lubricant thin film comprises diamond-like Nanofilm composites, wherein said diamond-like Nanofilm composites comprise one or more of W, Hf, Zr, Al, or Nb.

25. (New) The PDP of claim 23, wherein the lubricant thin film comprises diamond-like Carbons.

26. (New) The PDP of claim 23, wherein the lubricant thin film comprises MoS_2 .

27. (New) The PDP of claim 22, wherein the lubricant thin film forms a continuous film over both the back plate and the barrier ribs.

28. (New) The PDP of claim 22, wherein the surface of both the back plate and the barrier ribs where the lubricant thin film is formed comprises side surfaces of the barrier ribs.

29. (New) The PDP of claim 22, wherein the surface of both the back plate and the barrier ribs where the lubricant thin film is formed comprises upper surfaces of both the back plate, where the barrier ribs are not located, and the barrier ribs and side surfaces of the barrier ribs.

30. (New) The PDP of claim 22, wherein the lubricant thin film uniformly coats the back plate and the barrier ribs.

31. (New) The PDP of claim 22, wherein the phosphor material uniformly coats the back plate and the barrier ribs on the back plate irrespective of the shape and height of the barrier ribs.

32. (New) The PDP of claim 22, wherein the phosphor material flows along the lubricant thin film coating the back plate and the barrier ribs on the back plate with phosphor material irrespective of the shape and height of the barrier ribs.